

Abstract

A refrigeration monitor and methodology are capable of detecting and recording data from selected sensors associated with monitored refrigeration equipment. The data are sampled periodically and stored as time series. Reference data are established and stored for normal operation of the system. Software operating on the data acts in real-time to detect fault conditions by comparing recent historic data with reference data. Upon detection of a fault, a technician is notified by a pager. Software used by the technician supports the monitoring in real-time of the operation of the refrigeration equipment and a review of the equipment's historical performance. The technician can access the monitor either by making a connection on-site or remotely over a communications network such as the Internet.